

Analyte	CAS.NO	Units	Hazardous Waste	Land Disposal Restrictions	Sample ID Date Type	CES-CS-TANK 407 8/7/2014 Field Sample	CES-CS-TANK 408 8/7/2014 Field Sample
General Chemistry							
Bromide	24959-67-9	mg/l	NP	NP	--	6.8	5.1
Chloride	16887-00-6	mg/l	NP	NP	--	365	289
Fluoride	16984-48-8	mg/l	NP	35	--	0.54	0.25 U
Hydrogen Sulfide	7783-06-4	mg/l	NP	NP	--	2 UJ	2 UJ
Nitrogen, Ammonia	7664-41-7	mg/l	NP	NP	--	42.8	43.6
Nitrogen, Nitrate	14797-55-8	mg/l	NP	NP	--	0.76	1.2
Nitrogen, Nitrite	14797-65-0	mg/l	NP	NP	--	0.26 U	0.26 U
Phosphorus, Total	NA	mg/l	NP	0.00035	--	6.7	14.8
Sulfate	14808-79-8	mg/l	NP	NP	--	6920	5650
Total Organic Carbon	NA	mg/l	NP	0.00035	--	8890	10400
Total Organic Halides	NA	mg/l	NP	0.00035	--	6.5	26.8
Herbicides							
2,4,5-T	93-76-5	ug/l	NP	0.72	--	0.17 U	0.17 U
2,4,5-TP (Silvex)	93-72-1	ug/l	0.001	0.72	--	0.2 U	0.2 U
2,4-D	94-75-7	ug/l	0.01	0.72	--	15.4	4.6 J
Metals							
Aluminum	7429-90-5	mg/l	NP	NP	--	20.1	300
Antimony	7440-36-0	mg/l	NP	1.9	--	0.323	0.765
Arsenic	7440-38-2	mg/l	5	1.4	--	0.0721	0.547
Barium	7440-39-3	mg/l	100	1.2	--	2.6	136
Beryllium	7440-41-7	mg/l	NP	0.82	--	0.0026 J	0.0345 J
Cadmium	7440-43-9	mg/l	1	0.69	--	0.0101 J	0.0507 J
Calcium	7440-70-2	mg/l	NP	NP	--	603	601
Chromium	7440-47-3	mg/l	5	2.77	--	1.18	33.6
Cobalt	7440-48-4	mg/l	NP	NP	--	0.115 J	0.184 J
Copper	7440-50-8	mg/l	NP	NP	--	1.59	35.2



Iron	7439-89-6	mg/l	NP	NP	--	575	3070
Lead	7439-92-1	mg/l	5	0.69	--	0.208	9.33
Magnesium	7439-95-4	mg/l	NP	NP	--	82.4	52.4 J
Manganese	7439-96-5	mg/l	NP	NP	--	12.8	8.89
Mercury	7439-97-6	mg/l	0.2	0.15	--	0.00065	0.0022
Nickel	7440-02-0	mg/l	NP	3.98	--	1.42	3.53
Potassium	7440-09-7	mg/l	NP	NP	--	136	53.8 J
Selenium	7782-49-2	mg/l	1	0.82	--	0.0614	0.256 J
Silver	7440-22-4	mg/l	5	0.43	--	0.0024 U	0.04 U
Sodium	7440-23-5	mg/l	NP	NP	--	844	196 J
Thallium	7440-28-0	mg/l	NP	1.4	--	0.0078 U	0.13 U
Vanadium	7440-62-2	mg/l	NP	4.3	--	0.249 J	1.78 J
Zinc	7440-66-6	mg/l	NP	NP	--	42.8	78
PCBs							
Aroclor 1016	12674-11-2	ug/l	NP	NP	--	0.21 U	0.21 U
Aroclor 1221	11104-28-2	ug/l	NP	NP	--	0.2 U	0.2 U
Aroclor 1232	11141-16-5	ug/l	NP	NP	--	0.17 U	0.17 U
Aroclor 1242	53469-21-9	ug/l	NP	NP	--	0.12 U	0.12 U
Aroclor 1248	12672-29-6	ug/l	NP	NP	--	0.1 U	0.1 U
Aroclor 1254	11097-69-1	ug/l	NP	NP	--	0.1 U	0.1 U
Aroclor 1260	11096-82-5	ug/l	NP	NP	--	0.12 U	0.12 U
Pesticides							
4,4'-DDD	72-54-8	ug/l	NP	0.023	--	0.099 U	0.33 U
4,4'-DDE	72-55-9	ug/l	NP	0.031	--	0.075 U	0.25 U
4,4'-DDT	50-29-3	ug/l	NP	0.0039	--	0.11 U	0.38 U
Aldrin	309-00-2	ug/l	NP	0.021	--	0.03 U	0.1 U
alpha-BHC	319-84-6	ug/l	NP	0.00014	--	0.065 U	0.22 U
alpha-Chlordane	5103-71-9	ug/l	NP	NP	--	0.12 J	0.11 U
beta-BHC	319-85-7	ug/l	NP	0.00014	--	0.035 U	0.12 U
delta-BHC	319-86-8	ug/l	NP	0.023	--	0.03 U	0.1 U



Dieldrin	60-57-1	ug/l	NP	0.017	--	0.061 U	0.2 U
Endosulfan sulfate	1031-07-8	ug/l	NP	0.029	--	0.063 U	0.21 U
Endosulfan-I	959-98-8	ug/l	NP	NP	--	0.055 U	0.18 U
Endosulfan-II	33213-65-9	ug/l	NP	NP	--	0.063 U	0.21 U
Endrin	72-20-8	ug/l	0.00002	0.0028	--	0.061 U	0.2 U
Endrin aldehyde	7421-93-4	ug/l	NP	0.025	--	0.11 U	0.36 U
Endrin ketone	53494-70-5	ug/l	NP	NP	--	0.092 U	0.31 U
gamma-BHC (Lindane)	58-89-9	ug/l	0.0004	0.0017	--	0.064 J	0.17 U
gamma-Chlordane	5103-74-2	ug/l	NP	NP	--	0.032 U	0.11 U
Heptachlor	76-44-8	ug/l	0.000008	0.0012	--	0.03 U	0.1 U
Heptachlor epoxide	1024-57-3	ug/l	NP	0.016	--	0.034 U	0.11 U
Methoxychlor	72-43-5	ug/l	0.01	0.25	--	0.38 U	1.3 U
Toxaphene	8001-35-2	ug/l	0.0005	0.0095	--	0.37 U	1.2 U
Physical Properties							
Solids, Total Suspended	NA	mg/l	NP	0.00035	--	5840	593
RCI							
Cyanide	57-12-5	mg/l	NP	1.2	--	0.25 U	0.25 U
Ignitability	NA	Deg F	NP	NP		4.52	4.67
pH	NA	su	NP	NP		>210	>210
Sulfide	18496-25-8	mg/l	NP	NP	--	0.025 U	0.025 U
SVOCs							
1,2,4-Trichlorobenzene	120-82-1	ug/l	NP	0.055	--	15 U	21 U
1,2-Dichlorobenzene	95-50-1	ug/l	NP	0.088	--	15 U	22 U
1,3-Dichlorobenzene	541-73-1	ug/l	NP	0.036	--	16 U	22 U
1,4-Dichlorobenzene	106-46-7	ug/l	0.0075	0.09	--	15 U	22 U
2,4,5-Trichlorophenol	95-95-4	ug/l	0.4	0.18	--	14 U	20 U
2,4,6-Trichlorophenol	88-06-2	ug/l	0.002	0.035	--	16 U	23 U
2,4-Dichlorophenol	120-83-2	ug/l	NP	0.044	--	16 U	22 U
2,4-Dimethylphenol	105-67-9	ug/l	NP	0.057	--	15 U	175
2,4-Dinitrophenol	51-28-5	ug/l	NP	0.12	--	140 U	200 U



2,4-Dinitrotoluene	121-14-2	ug/l	0.00013	0.32	--	18 U	25 U
2,6-Dinitrotoluene	606-20-2	ug/l	NP	0.55	--	14 U	21 U
2-Chloronaphthalene	91-58-7	ug/l	NP	0.055	--	18 U	26 U
2-Chlorophenol	95-57-8	ug/l	NP	0.044	--	14 U	19 U
2-Methylnaphthalene	91-57-6	ug/l	NP	NP	--	75.8	209
2-Methylphenol	95-48-7	ug/l	0.2	0.11	--	39 J	326
2-Nitroaniline	88-74-4	ug/l	NP	0.27	--	19 U	26 U
2-Nitrophenol	88-75-5	ug/l	NP	0.028	--	16 U	23 U
3&4-Methylphenol	NA	ug/l	NP	0.00035	--	117	1890
3,3'-Dichlorobenzidine	91-94-1	ug/l	NP	NP	--	18 U	26 U
3-Nitroaniline	99-09-2	ug/l	NP	NP	--	18 U	25 U
4,6-Dinitro-o-cresol	534-52-1	ug/l	NP	0.28	--	78 U	110 U
4-Bromophenyl phenyl ether	101-55-3	ug/l	NP	0.055	--	17 U	24 U
4-Chloro-3-methyl phenol	59-50-7	ug/l	NP	0.018	--	302	1080
4-Chloroaniline	106-47-8	ug/l	NP	0.46	--	15 U	22 U
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	NP	NP	--	18 U	26 U
4-Nitroaniline	100-01-6	ug/l	NP	0.028	--	19 U	27 U
4-Nitrophenol	100-02-7	ug/l	NP	0.12	--	100 U	140 U
Acenaphthene	83-32-9	ug/l	NP	0.059	--	17 U	24 U
Acenaphthylene	208-96-8	ug/l	NP	0.059	--	17 U	24 U
Anthracene	120-12-7	ug/l	NP	0.059	--	20 U	28 U
Benzo(a)anthracene	56-55-3	ug/l	NP	0.059	--	21 U	30 U
Benzo(a)pyrene	50-32-8	ug/l	NP	0.061	--	19 U	27 U
Benzo(b)fluoranthene	205-99-2	ug/l	NP	0.11	--	17 U	24 U
Benzo(g,h,i)perylene	191-24-2	ug/l	NP	0.0055	--	21 U	30 U
Benzo(k)fluoranthene	207-08-9	ug/l	NP	0.11	--	21 U	31 U
Benzoic Acid	65-85-0	ug/l	NP	NP	--	9850	11100
Benzyl Alcohol	100-51-6	ug/l	NP	NP	--	100	163
bis(2-Chloroethoxy)methane	111-91-1	ug/l	NP	0.036	--	16 U	23 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	NP	0.033	--	13 U	19 U



bis(2-Chloroisopropyl)ether	108-60-1	ug/l	NP	NP	--	13 U	18 U
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	NP	0.28	--	21 U	30 U
Butyl benzyl phthalate	85-68-7	ug/l	NP	0.017	--	18 U	25 U
Carbazole	86-74-8	ug/l	NP	NP	--	20 U	28 U
Chrysene	218-01-9	ug/l	NP	0.059	--	22 U	32 U
Dibenzo(a,h)anthracene	53-70-3	ug/l	NP	0.055	--	19 U	27 U
Dibenzofuran	132-64-9	ug/l	NP	NP	--	18 U	25 U
Diethyl phthalate	84-66-2	ug/l	NP	0.2	--	20 U	28 U
Dimethyl phthalate	131-11-3	ug/l	NP	0.047	--	20 U	28 U
Di-n-butyl phthalate	84-74-2	ug/l	NP	0.057	--	19 U	27 U
Di-n-octyl phthalate	117-84-0	ug/l	NP	0.017	--	17 U	24 U
Fluoranthene	206-44-0	ug/l	NP	0.068	--	20 U	28 U
Fluorene	86-73-7	ug/l	NP	0.059	--	17 U	41.4 J
Hexachlorobenzene	118-74-1	ug/l	0.00013	0.055	--	22 U	31 U
Hexachlorobutadiene	87-68-3	ug/l	0.0005	0.055	--	17 U	24 U
Hexachlorocyclopentadiene	77-47-4	ug/l	NP	0.057	--	17 U	25 U
Hexachloroethane	67-72-1	ug/l	0.003	0.055	--	18 U	25 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NP	0.0055	--	15 U	21 U
Isophorone	78-59-1	ug/l	NP	NP	--	17 U	24 U
Naphthalene	91-20-3	ug/l	NP	0.059	--	44.1 J	132
Nitrobenzene	98-95-3	ug/l	0.002	0.068	--	16 U	23 U
N-Nitroso-di-n-propylamine	621-64-7	ug/l	NP	0.4	--	15 U	22 U
N-Nitrosodiphenylamine	86-30-6	ug/l	NP	0.92	--	20 U	29 U
Pentachlorophenol	87-86-5	ug/l	0.1	0.089	--	140 U	200 U
Phenanthrene	85-01-8	ug/l	NP	0.059	--	24.7 J	109
Phenol	108-95-2	ug/l	NP	0.039	--	643	2860
Pyrene	129-00-0	ug/l	NP	0.67	--	20 U	34.5 J
TPH							
TPH (>C12-C28)	NA	mg/l	NP	0.00035	--	9720	15600
TPH (>C28-C35)	NA	mg/l	NP	0.00035	--	3620	4780



TPH (C6-C12)	NA	mg/l	NP	0.00035	--	748	313
TPH (C6-C35)	NA	mg/l	NP	0.00035	--	14100	20700
VOCs							
1,1,1-Trichloroethane	71-55-6	ug/l	NP	0.054	--	21 U	21 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NP	0.057	--	20 U	20 U
1,1,2-Trichloroethane	79-00-5	ug/l	NP	0.054	--	17 U	17 U
1,1-Dichloroethane	75-34-3	ug/l	NP	0.059	--	17 U	17 U
1,1-Dichloroethylene	75-35-4	ug/l	0.0007	0.025	--	23 U	23 U
1,2-Dichloroethane	107-06-2	ug/l	0.0005	0.21	--	18 U	18 U
1,2-Dichloropropane	78-87-5	ug/l	NP	0.85	--	17 U	17 U
2-Hexanone	591-78-6	ug/l	NP	NP	--	130 U	130 U
4-Methyl-2-pentanone	108-10-1	ug/l	NP	0.14	--	110 U	110 U
Acetone	67-64-1	ug/l	NP	0.28	--	17100	30900
Benzene	71-43-2	ug/l	0.0005	0.14	--	31.9 J	17 U
Bromodichloromethane	75-27-4	ug/l	NP	0.35	--	17 U	17 U
Bromoform	75-25-2	ug/l	NP	0.63	--	22 U	22 U
Carbon disulfide	75-15-0	ug/l	NP	3.8	--	18 U	18 U
Carbon tetrachloride	56-23-5	ug/l	0.0005	0.057	--	22 U	22 U
Chlorobenzene	108-90-7	ug/l	0.1	0.057	--	13 U	13 U
Chloroethane	75-00-3	ug/l	NP	0.27	--	36 U	36 U
Chloroform	67-66-3	ug/l	0.006	0.046	--	17 U	17 U
cis-1,2-Dichloroethylene	156-59-2	ug/l	NP	NP	--	20 U	20 U
cis-1,3-Dichloropropene	10061-01-5	ug/l	NP	0.036	--	14 U	14 U
Dibromochloromethane	124-48-1	ug/l	NP	0.057	--	18 U	18 U
Ethylbenzene	100-41-4	ug/l	NP	0.57	--	154	127
Methyl bromide	74-83-9	ug/l	NP	0.11	--	25 U	25 U
Methyl chloride	74-87-3	ug/l	NP	0.19	--	32 U	32 U
Methyl ethyl ketone	78-93-3	ug/l	0.2	0.28	--	8130	2480
Methylene chloride	75-09-2	ug/l	NP	0.089	--	81 U	81 U
Styrene	100-42-5	ug/l	NP	NP	--	129	15 U



Tetrachloroethylene	127-18-4	ug/l	0.0007	0.056	--	23 U	23 U
Toluene	108-88-3	ug/l	NP	0.08	--	375	1970
trans-1,2-Dichloroethylene	156-60-5	ug/l	NP	0.054	--	24 U	24 U
trans-1,3-Dichloropropene	10061-02-6	ug/l	NP	0.036	--	16 U	16 U
Trichloroethylene	79-01-6	ug/l	0.0005	0.054	--	24 U	24 U
Vinyl chloride	75-01-4	ug/l	0.0002	0.27	--	40 U	40 U
Xylene (total)	1330-20-7	ug/l	NP	0.32	--	862	688



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